## **AMENDMENTS TO THE CLAIMS**

This listing of claims replaces all prior versions of the claims in this application.

Changes to the claims are indicated by strikethrough for deleted matter and underlining for added matter.

## **Listing of Claims**

- 14. (Currently Amended) A catheter for delivering a biologically active material to a desired location of a body lumen of a patient comprising an expandable portion which is insertable or implantable into a body lumen, wherein the expandable portion is expandable in response to inflation pressure to fill the cross-section of the lumen and engage the tissue of the lumen and wherein the expandable portion comprises:
  - a) a balloon;
- b) a reservoir <u>disposed about the balloon, wherein</u> the <u>reservoir is</u> defined by a membrane having a plurality of pores therein, and wherein the reservoir is capable of containing the biologically active material and <u>wherein the reservoir</u> is connected to a reservoir lumen for filling the reservoir with the biologically active material; and
- c) a biostable sponge coating for <u>the</u> release of at least one biologically active material disposed about the membrane, wherein the sponge coating comprises a non-hydrogel polymer having a plurality of voids <u>and wherein the sponge coating is in fluid</u> communication with the reservoir.
- 15. (Original) The catheter of claim 14 wherein the voids are formed by eluting a particulate material from the polymer.
- 16. (Previously presented) The catheter of claim 14, wherein the void space of the sponge coating is greater than about 60% of the volume of the sponge coating.
- 17. (Currently Amended) The catheter of claim 14 wherein the infusion mechanism comprises an inflation lumen connected to a balloon disposed wherein within the reservoir.
- 18. (Original) The catheter of claim 14 wherein the expandable portion further comprises a perfusion lumen for sustained infusion of the biologically active material into the voids and inflation of the expandable portion.

- 19. (Currently Amended) The catheter of claim 14 which further comprises <u>a</u> control-mechanism for synchronizing the deflation of the expandable portion and the infusion of the biologically active material into the voids.
- 20. (Original) The catheter of claim 14 wherein the polymer comprises an elastomer.
- 21. (Previously Presented) The catheter of claim 20 wherein the elastomer comprises a silicone, polyurethane, thermoplastic elastomer, ethylene vinyl acetate copolymer, polyolefin elastomer, or EPDM rubber.
- 22. (Previously Presented) The catheter of claim 14 wherein the biologically active material is heparin, paclitaxel, or rapamycin.
  - 23. 47. (Canceled)